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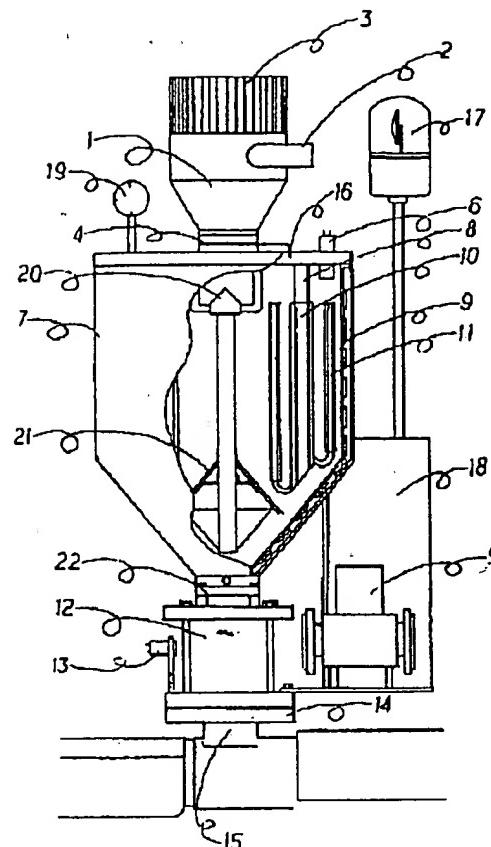
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TITLE : APPARATUS FOR DEHUMIDIFYING
AND DRYING SYNTHETIC RESIN
POWDER AND GRANULAR MATERIAL
IN VACUUM HEATING METHOD



ABSTRACT : PURPOSE: To shorten the drying time, save the space, lighten the weight and save the energy by providing the main body of a vacuum dehumidifying and drying apparatus at the lower side of a supply receiving port, providing a storage tank at the lower part, and making it possible to supply dehumidified and dried raw material continuously into synthetic-resin forming material at the lowest end.

CONSTITUTION: In an apparatus for dehumidifying and drying synthetic resin powder and granular material by a vacuum heating method, a supply receiving port 1 having a sucking mechanism for sucking the material together with sucking air and an air separating mechanism 3 for the sucking air is provided at the uppermost end of the dehumidifying and drying apparatus. A main body 7 of a double-structured vacuum dehumidifying and drying apparatus, which can dehumidify and dry the raw material supplied through an upper automatic opening and closing valve 4, is provided at the lower side of the apparatus. A storage tank 12, which temporarily stores the dehumidified and dried raw material through a lower automatic opening and closing valve 22, is provided at the lower part thereof. The part to a flange 14, which can be attached to a raw-material receiving port 15 of a synthetic resin molding device at the lowest end, is constituted in the vertical shape. Thus, the dehumidified and dried raw material can be continuously supplied into the raw-material receiving port 15 of the molding device.

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